Service Document
Exchange Set

City Boy 52

Service Manual

Sicherheit Safety

Materialnr./Part No. 720108000000

⚠ Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Materialnummer 720108000000, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

⚠ The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000000, as well as the respective national deviations.

Dieses Service Dokument ist nur in Datenform verfügbar
This Service Document is only available as data

Änderungen vorbehalten/Subject to alteration

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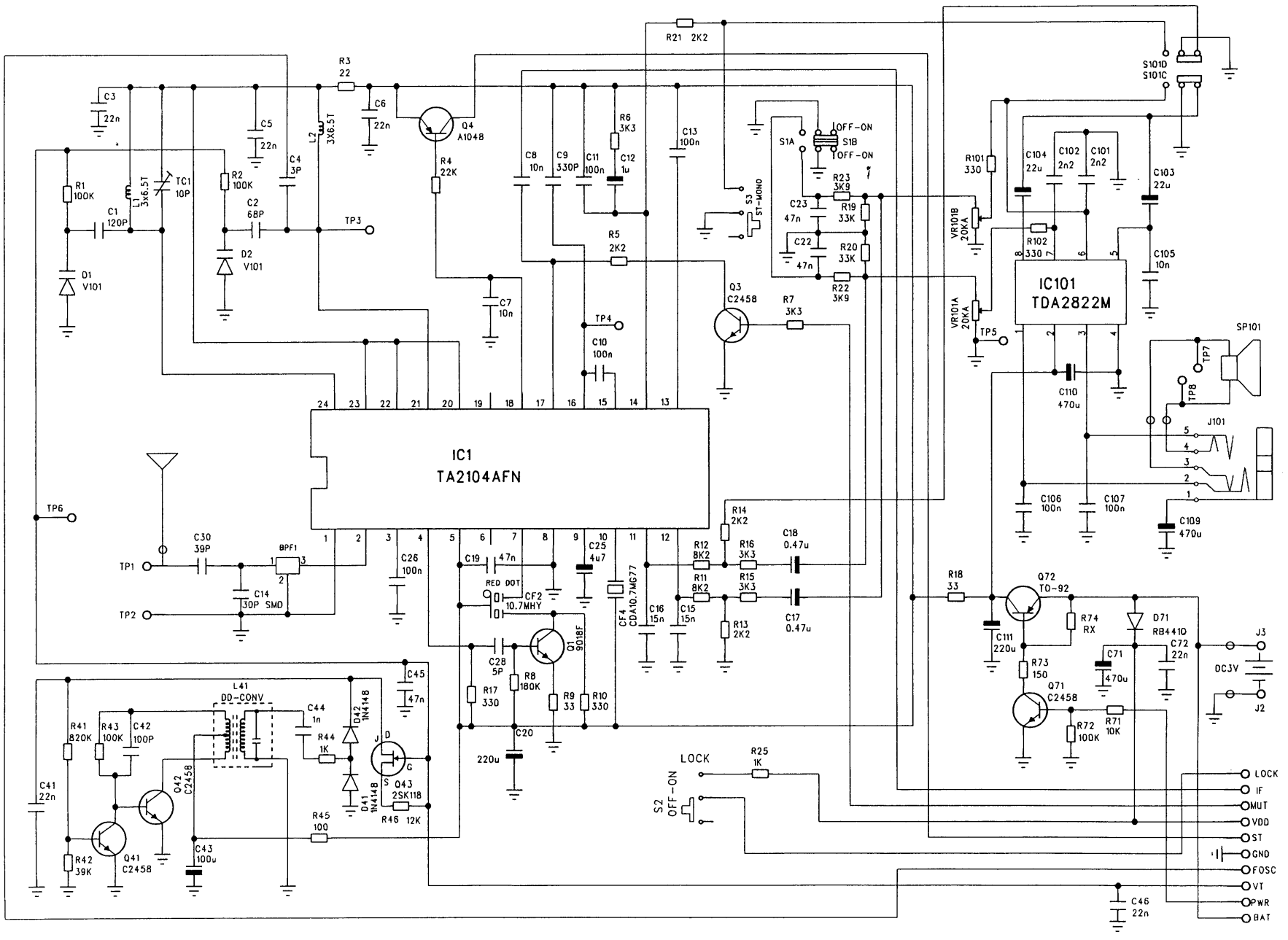
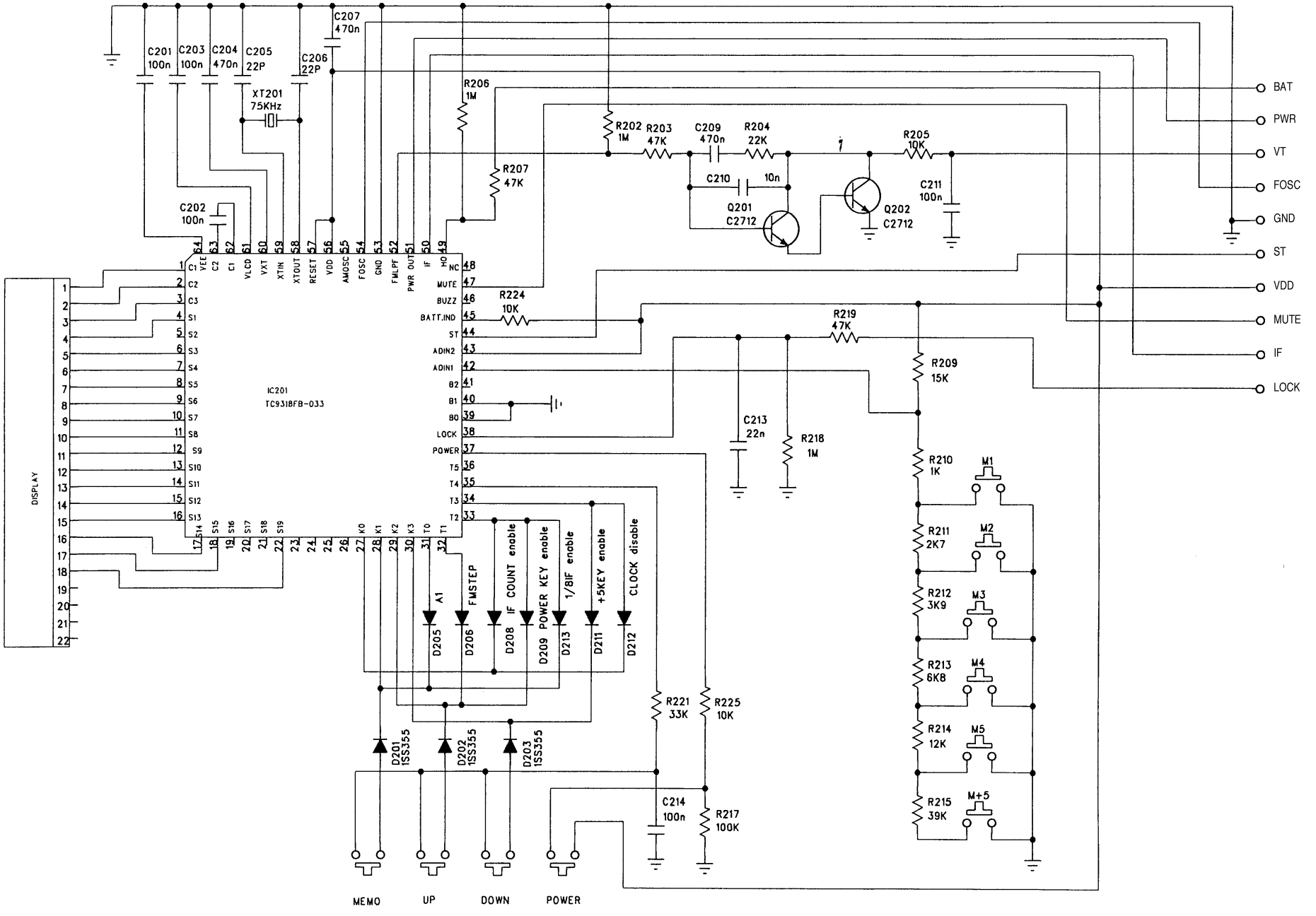
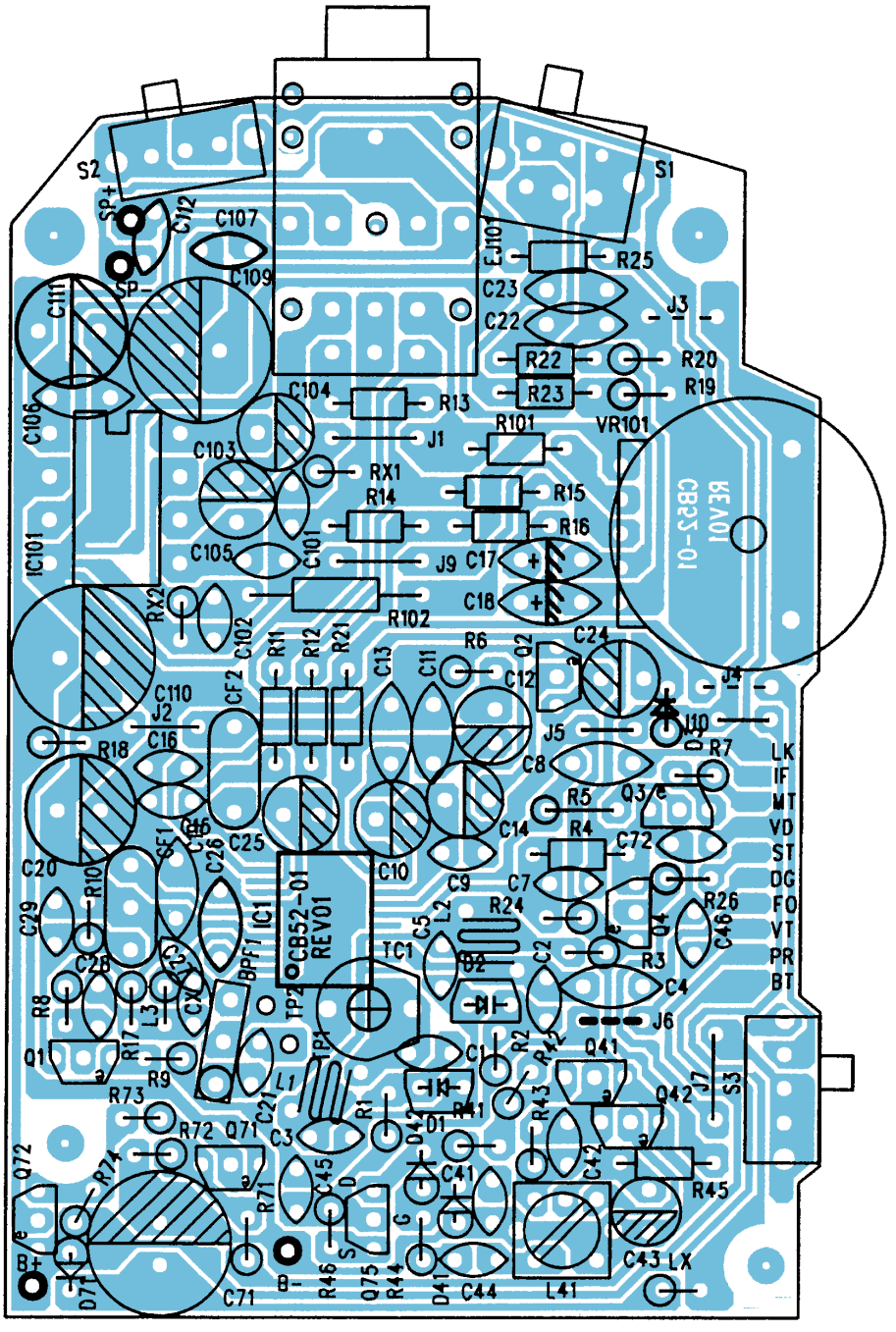
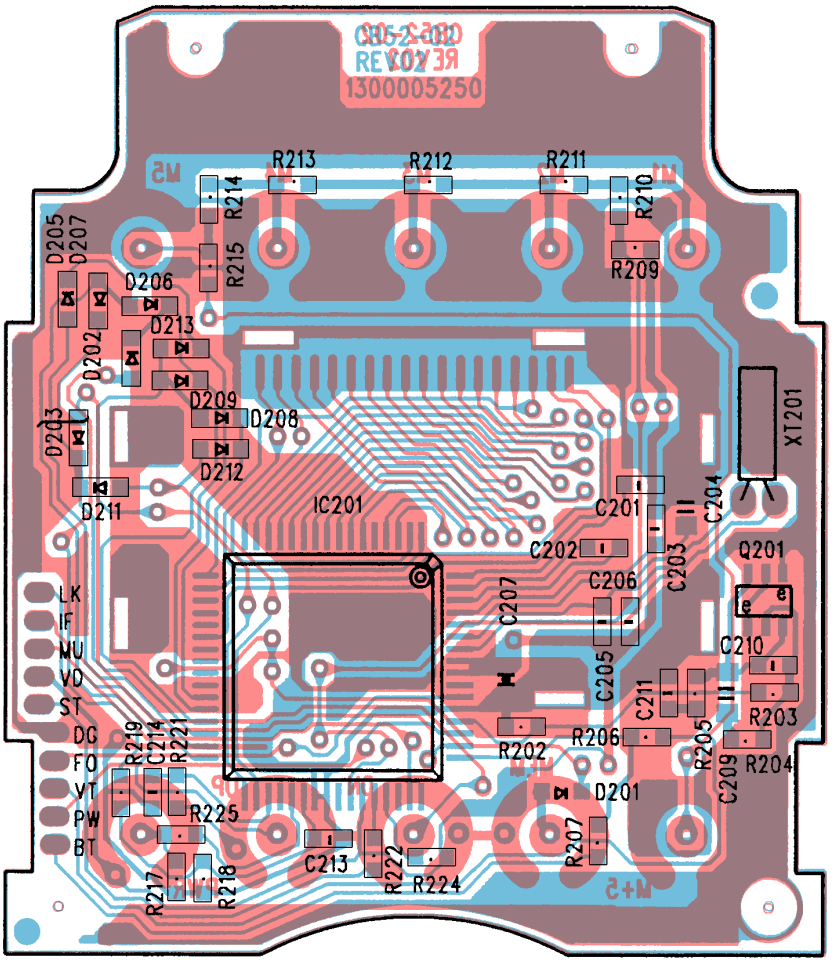
GRUNDIG

		SOLAR ELECTRONICS CORP. LTD		
Model :	CB-52		Date : 7NOV2000	
Brand :	GRUNDIG	FM ALIGNMENT PROCEDULE	Prepared By :C.S.Heung	
Step Frequency : 50KHz			Approved By : CS.HEUNG	
Step No.	Frequency Setting	Equipment Connection	Alignment Location	Preset Memory
1	IF 10.7MHz	FM IF Marker Generator Output Connect To TP3,TP2 Gnd. Input Connect To TP4, TP5 Gnd.	Check FM Best S Curve Is Obrain	M5
2	87.5MHz	Digital Volt Meter Connect To TP6,TP5 Gnd	Adjust L2 Until Voltage Reading At 2.4~2.65V	M1
3	108MHz	Digital Volt Meter Connect To TP6,TP5 Gnd	Check Voltage 7~9.5V	M5
4	90.1MHz	FM Sweep Marker Generator Output Connect To TP1,TP2 Gnd Input Connect To TP4,TP5 Gnd.	Adjust L1 For Max. Output	M2
5	106.1MHZ	Same As Step 4.	Adjust TC1 For Max. Output	M4
		Repeat Step 4,5 Until No Tracking Error Occure		
6	98.1MHz	Same As Step 4.	Check Tracking Error Spec. Are In	M3
7	87.5MHz	Same As Step 4.	Check 87.5MHz Freq. Spec. Are In	M1
8	108MHz	Same As Step 4.	Check 108MHz Freq. Spec. Are In	M5


IC1
TA2104AFN
IC101
TDA2822M
L41
DD-CONV
S1A
S1B
OFF-ON
OFF-ON
S3
ST-MONO
S101D
S101C
SP101
J101
J3
DC3V
J2
S2
OFF-ON
LOCK
IF
MUT
VDD
ST
GND
FOSC
VT
PWR
BAT
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
BPF1
CF2
10.7MHY
CF4
CDA10.7MG77
RED DOT
Q1
9018F
Q3
C2458
Q4
A1048
Q41
C2458
Q42
C2458
Q43
2SK118
Q71
C2458
Q72
TO-92
D1
V101
D2
V101
D41
1N4148
D42
1N4148
D71
RB410
L1
3X6.5T
L2
3X6.5T
TC1
10P
R1
100K
R2
100K
R3
22
R4
22K
R5
2K2
R6
3K3
R7
3K3
R9
33
R10
330
R11
8K2
R12
8K2
R13
2K2
R14
2K2
R15
3K3
R16
3K3
R17
330
R18
33
R19
33K
R20
33K
R21
2K2
R22
3K9
R23
3K9
R25
1K
R41
820K
R42
39K
R43
100K
R44
1K
R45
100
R46
12K
R71
10K
R72
100K
R73
150
R74
RX
R101
330
R102
330
VR101A
20KA
VR101B
20KA
C1
120P
C2
68P
C3
22n
C4
3P
C5
22n
C6
22n
C7
10n
C8
10n
C9
330P
C10
100n
C11
100n
C12
1u
C13
100n
C14
30P SMD
C15
15n
C16
15n
C17
0.47u
C18
0.47u
C19
47n
C20
220u
C22
47n
C23
47n
C25
4u7
C26
100n
C28
5P
C30
39P
C41
22n
C42
100P
C43
100u
C44
1n
C45
47n
C46
22n
C71
470u
C72
22n
C101
2n2
C102
2n2
C103
22u
C104
22u
C105
10n
C106
100n
C107
100n
C109
470u
C110
470u
C111
220u


C201 100n
C203 100n
C204 470n
C205 22P
C206 22P
C207 470n
XT201 75KHz
R206 1M
R207 47K
R202 1M
R203 47K
C209 470n
R204 22K
C210 10n
Q201 C2712
Q202 C2712
R205 10K
C211 100n
C202 100n
R224 10K
R219 47K
R209 15K
C213 22n
R218 1M
R210 1K
R211 2K7
R212 3K9
R213 6K8
R214 12K
R215 39K
M1
M2
M3
M4
M5
M+5
IC201
TC9318FB-033
DISPLAY
A1
FMSTEP
IF COUNT enable
POWER KEY enable
1/8IF enable
+5KEY enable
CLOCK disable
D205
D206
D208
D209
D213
D211
D212
D201 1SS355
D202 1SS355
D203 1SS355
R221 33K
R225 10K
C214 100n
R217 100K
MEMO
UP
DOWN
POWER
BAT
PWR
VT
FOSC
GND
ST
VDD
MUTE
IF
LOCK


S2
S1
SP+
SP-
C112
C107
C109
C111
C106
C104
R13
J1
C103
RX1
R14
C105
C101
J9
R102
RX2
C102
R11
R12
R21
C13
C11
R6
Q2
C12
C24
J4
C110
J2
C16
R18
C8
J5
D2
R7
LK
IF
MT
VD
ST
DG
FO
VT
PR
BT
R5
Q3
C14
R4
C72
C25
C26
C10
C9
C7
R24
C20
C29
R10
SF1
IC1
BPF1
CB52-01
REV01
TC1
C5
L2
D2
C2
R3
C4
R26
C46
Q4
C28
L3
CX1
TP2
TP1
J6
R8
Q1
R17
R9
L1
C1
R2
R42
Q41
J7
S3
R73
R72
Q71
C3
C21
R1
D42
R41
R43
Q42
Q72
R74
R71
C45
D
S
G
C41
C42
R45
B+
D71
C71
B-
R46
Q75
R44
D41
C44
L41
C43
LX
EJ101
R25
C23
C22
J3
R22
R20
R23
R19
VR101
R101
R15
R16
C17
C18
IC101
CB52-01
REV01


1300005250
R213
R212
R211
R214
R215
R210
R209
D205
D207
D206
D213
D202
D209
D208
D212
D203
D211
IC201
XT201
C201
C204
C202
C203
Q201
C206
C207
C205
C210
C211
R203
R206
R202
R205
R204
C209
D201
R207
R219
C214
R221
R225
C213
R222
R224
R217
R218
LK
IF
MU
VD
ST
DG
FO
VT
PW
BT